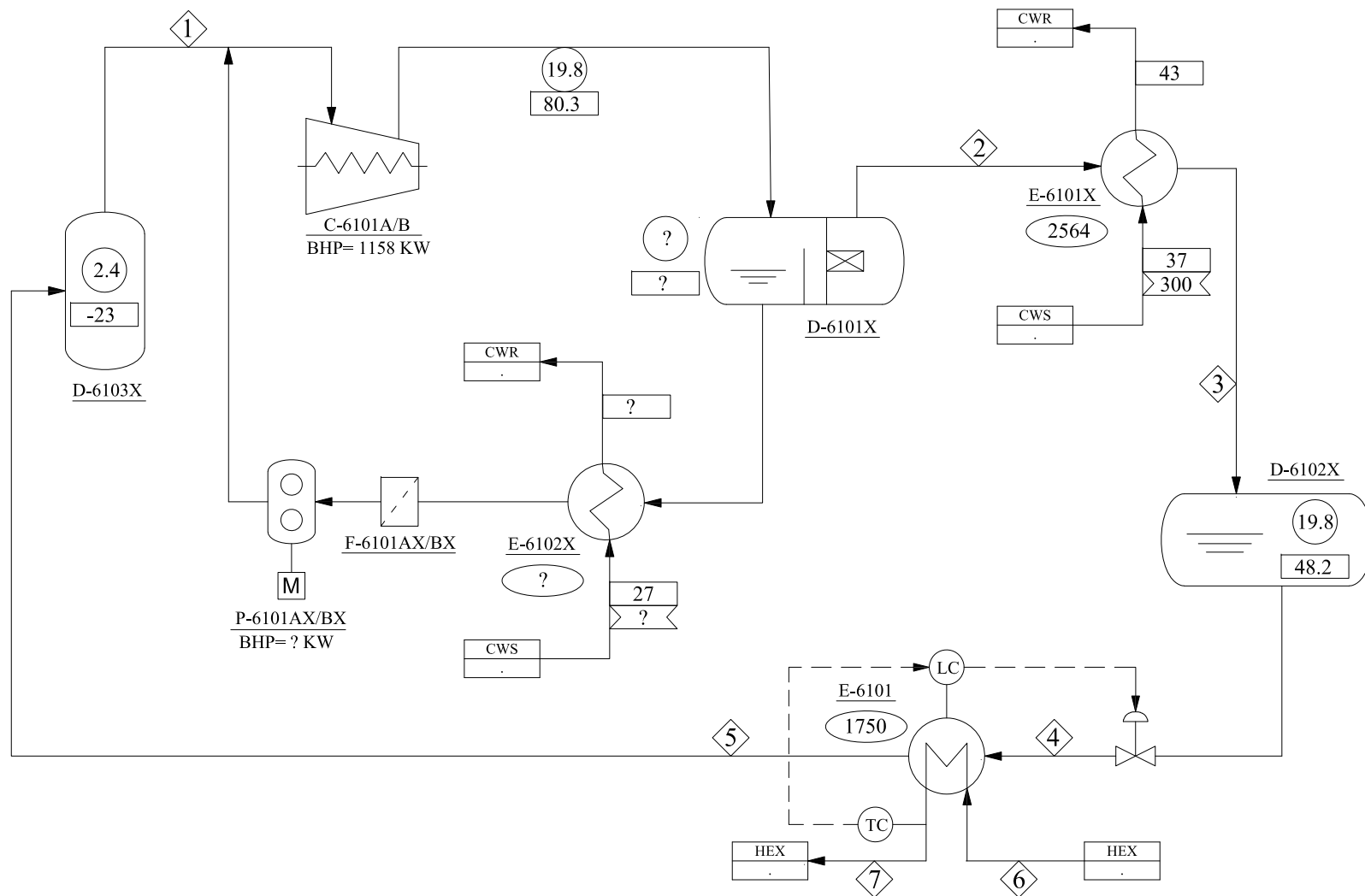


TAG NO.	C-6101A/B	D-6101X	D-6102X	D-6103X	E-6101	E-6101X	E-6102X	F-6101AX/BX	P-6101AX/BX
DESC.	PROPYLENE COMPRESSOR	OIL SEPARATOR	PROPYLENE CONDENSATE DRUM	PROPYLENE SURGE DRUM	HEXANE COOLER	PROPYLENE CONDENSER	OIL COOLER	OIL FILTER	OIL PUMP

**NOTES**

$$\text{COP} = \frac{\text{E-6101 Cooling Capacity}}{\text{Compressor Power}} \Rightarrow \frac{1750 \text{ KW}}{1158 \text{ KW}} = 1.51$$


**LEGENDS & ABBREVIATION**

- PRESSURE BARA
- TEMP. °C
- FLOW KG/H
- FLOW M³/H
- DUTY KW
- STREAM NUMBER

BE	INT	IFI	-
Eng. Phase	Purpose of Distribution (POD)	Purpose of Issue (POI)	Owner's Action


AO	SEP.2020	ISSUE FOR BID	R.GOUDARZI	DR.NEJATI	A.MALEKI
REV.	ISSUE DATE	DESCRIPTION	PREPARED BY	CHECKED BY	APPROVED BY

OWNER : DEHDASHT PETROCHEMICAL CO.

ENGINEERING : KASRAVAND CO.

VENDOR : MAYEKAWA EUROPE N.V.

PROJECT : REFRIGERATION UNIT (PK-6101)

TITLE : PROCESS FLOW DIAGRAM

SHEET : 01	DWG. NO. : XXX-XX-XXX-XX-XXX	PPEC PROJECT NO. : XXXXXXXXX	REV. : A0	SIZE : A4
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STREAM NO.	UNIT	1	2	3	4	5	6	7
DESC.		PROPYLENE GAS	COMPRESSED PROPYLENE	CONDENSATE PROPYLENE	REFRIGERATE PROPYLENE	RECYCLE PROPYLENE	HOT HEXANE	COOLED HEXANE
TEMP.	°C	-23.0	80.3	48.2	-24.6	-25.7	-16.0	-20.0
PRESS.	bara	2.4	19.8	19.8	2.6	2.5	6.9	6.8
MASS FLOW	kg/h	29500	29500	29500	29500	29500	828500	828500
DENSITY	kg/m³	5.2	35.4	462	12.1	5.5	703	707
V.F.		1.0	1.0	0.0	0.5	0.98	0.0	0.0